MINISTRY OF COMMUNICATIONS
AND MULTIMEDIA MALAYSIA

CyberSecurity MALAYSIA

GUIDELINES FOR DIGITAL FORENSICS LABORATORIES

TO ADDRESS CHALLENGES WITH CRYPTOCURRENCIES

CyberSecurity Malaysia advises digital forensics laboratories to strengthen their lab policies to cater challenges of cryptocurrencies.

Cryptocurrencies, unlike other digital evidence, has a stored value attached to it; and hence poses unique challenge to law enforcements and digital forensics laboratories.

The seed phrase and private key can easily be copied out, screenshot, photographed and shared unintentionally. Irresponsible persons can then empty the cryptocurrency wallet by using the seed phrase or private keys without a trace.

Therefore, digital forensics lab should adopt strong policies in place to prevent mismanagement or misconduct of seed phrase and private keys during evidence analysis.

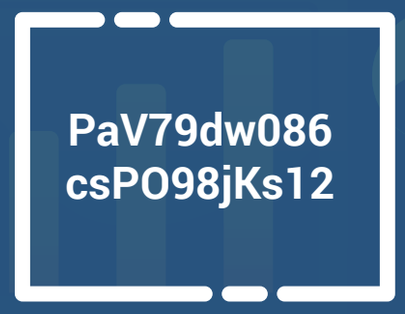
SEED PHRASE

A collection of words that is used to access a cryptocurrency wallet. It contains between **12 to 24 series of words.**

seed.txt

```
media brick popular okay old computer
luggage unaware letter verb rally math
```

**For precaution, these seed words are not generated from BIP39 word list and is not a valid seed phrase.*



PRIVATE KEY

Random strings of letters and numbers used to prove ownership of a cryptocurrency, and to access to cryptocurrency wallet.

L55xmV1LmjEQAA5dFpuxLKcbcT
f7s7iMpwkfg4jm3RuE6mKFnqFU

Private key in QR format

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WHAT TO DO

WHEN SEED PHRASE/PRIVATE KEY IS FOUND DURING ANALYSIS?

1

DO NOT MAKE A COPY OR EXTRACT

Do not make a copy or extract seed phrase/private key into a share folder or external storage device. This includes photograph or screenshot the phrase.

2

INFORM TEAM LEAD & CLIENT USING FORMAL CHANNEL

Never share the seed phrase/private key unless there is a formal request.

3

NEED TO SHARE? USE PAPER & PUT IN EVIDENCE BAG

If there is a formal request to share, write down on a paper, put it in evidence bag and seal it. Ensure the writing cannot be seen from outside the bag. NEVER SHARE in softcopy format.